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27975 7590 12/05/2006

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03/05/2007 SSESHE2 00000068 10615446

01 FC:1501 1400.00-OP
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| | |
|---------------------|--------------------|
| Justin Goree | (Depositor's name) |
| <i>Justin Goree</i> | (Signature) |
| February 26, 2007 | (Date) |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/615,446 | 07/08/2003 | Gianguido Rizzotto | 02CT08253399 | 7975 |

TITLE OF INVENTION: METHOD AND RELATIVE QUANTUM GATE FOR RUNNING A GROVER'S OR A DEUTSCH-JOZSA'S QUANTUM ALGORITHM

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1400 | \$300 | \$0 | \$1700 | 03/05/2007 |

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|------------|----------|----------------|
| MAI, TAN V | 2193 | 708-200000 |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
1. LISA K. JORGENSON;
 2. ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST, P.A.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

STMICROELECTRONICS S.r.l.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

AGRATE BRIANZA, ITALY

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

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5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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Authorized Signature

Date February 26, 2007

Typed or printed name CHRISTOPHER F. REGAN

Registration No. 34,906

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